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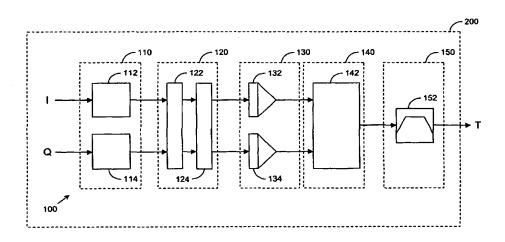
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Declarations under Rule 4.17:

as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

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(54) Title: PRE-EQUALISTION FOR UMTS BASE STATION



(57) Abstract: An arrangement (100) and method for RF filtering in a Node B of a UMTS TDD system by providing: a DAC converter (130) converting digital signals to analog signals; providing a narrow band analogue channel filter (150) filtering the analog signals, and providing a digital pre-equaliser FIR filter (120) coupled before the DAC (120) to filter the digital signals, the digital preequaliser filter means substantially correcting for non linear phase response (122) non-ideality and amplitude response non-ideality (124) in the analogue channel filter (150). This provides the following advantage(s): it enables 3GPP Node B co-location specifications to be met while providing both good transmit accuracy and acceptable ISI performance; and it allows filter centre frequency to be field tuned in software, permitting a basic RF single-channel filter to used with its centre frequency being field adjustable to a desired value centred on a UMTS channel.





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